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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,154	09/29/2003	Felix A. Perriello	GLOB 63966	1902
759	90 03/13/2006		EXAM	INER
Tara L. Pfaeffl	e		BARRY, CI	HESTER T
Pietragallo, Bos	ick & Gordon			
One Oxford Centre			ART UNIT	PAPER NUMBER
301 Grant Street, 38th Floor			1724	
Pittsburgh, PA 15219			DATE MAIL FD: 03/13/7006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summer	10/674,154	PERRIELLO, FELIX	< A.
Office Action Summary	Examiner	Art Unit	
	Chester T. Barry	1724	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence add	ress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from 1, cause the application to become ABANDONE	N. nely filed the mailing date of this con D (35 U.S.C. § 133).	
Status			
 1) Responsive to communication(s) filed on 23 Ja 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro		merits is
Disposition of Claims			
 4) ☐ Claim(s) 1-3,5-11 and 13-61 is/are pending in t 4a) Of the above claim(s) 15-61 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,5-11,13 and 14 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or 	n from consideration.		
Application Papers			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the order or declaration is objected to by the Examiner of the correction of the order or declaration is objected to by the Examiner of the order of the	epted or b) objected to by the liderawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFF	` '
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National S	stage
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	152)

Application/Control Number: 10/674,154

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Claims 1-3, 5-11, 13-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites *inter alia*, "an alkane substrate comprising butane and/or propane as the most prevalent compound on a weight percentage basis." It appears that this compound phrase means:

- an alkane substrate comprising butane as the most prevalent compound of the alkane substrate on a weight percentage basis; or
- 2) an alkane substrate comprising propane as the most prevalent compound of the alkane substrate on a weight percentage basis; or
- 3) an alkane substrate comprising both butane and propane as the most prevalent compound of the alkane substrate on a weight percentage basis.

The person having ordinary skill in the art would understand what 's being claimed in variant (1): The alkane substrate comprises at least 50 wt % butane. Similarly, the person having ordinary skill in the art would understand what 's being claimed in variant (2): The alkane substrate comprises at least 50 wt % propane. But the person having ordinary skill in the art would not understand with a reasonable degree of precision what is meant by, "an alkane substrate comprising both butane and propane as the most prevalent compound of the alkane substrate on a weight percentage basis" at least for the reason that "butane and propane" is not a "compound" at all: It is a mixture of two

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compounds. There is no evidence of record to suggest that applicant intended for the claim to cover variant (3)' as: The alkane substrate comprises 50 wt % butane and 50 wt % propane." Further, there is no evidence of record to suggest that applicant intended for the claim to cover variant (3)" as: The alkane substrate comprises an alkane mixture consisting essentially of butane and propane, wherein said mixture constitutes at least 50 wt % of said alkane substrate."

Applicant's arguments with respect to the pending, non-withdrawn claims have been considered but are most in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

CHESTERT. BARRY

57/2721152